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Form Approved
OMB No. 2010-0019
Approval Expires 12-31-89

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000611069N

90-890000497

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Comprehensive Assessment Information Rule

REPORTING FORM

When completed, send this form to:

Document Processing Center Office of Toxic Substances, TS-790 U.S. Environmental Protection Agency 401 M Street, SW Washington, DC 20460 Attention: CAIR Reporting Office

| For Agency Use Only: |
|--------------------------|
| Date of Receipt: |
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| Docket Number: |

| | | SECTION 1 GENERAL MANUFACTURER, IMPORTER, AND PROCESSOR INFORMATION |
|------------|------|--|
| PART | A (| GENERAL REPORTING INFORMATION |
| 1.01 | | is Comprehensive Assessment Information Rule (CAIR) Reporting Form has been upleted in response to the <u>Federal Register Notice of $[1]2]2[2]2]8$</u> |
| CBI | _ | mo. day year |
| [_] | a. | If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal |
| | | Register, list the CAS No $[0]2]6]4]7]1]-[6]2]-[5]$ |
| | b. | If a chemical substance CAS No. is not provided in the <u>Federal Register</u> , list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the <u>Federal Register</u> . |
| | | (i) Chemical name as listed in the rule NA |
| | | (ii) Name of mixture as listed in the rule NA |
| | | (iii) Trade name as listed in the rule NA |
| | c. | If a chemical category is provided in the <u>Federal Register</u> , report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category. |
| | | Name of category as listed in the rule NA |
| | | CAS No. of chemical substance [_]_]_]_]_]_]_]_]_]_]_]-[_] |
| | | Name of chemical substance NA |
| | | |
| 1.02 | Ide | ntify your reporting status under CAIR by circling the appropriate response(s). |
| <u>CBI</u> | Man | ufacturer 1 |
| [_] | Imp | orter 2 |
| ļ | Pro | cessor)(3 |
| | X/P | manufacturer reporting for customer who is a processor 4 |
| | X/P | processor reporting for customer who is a processor 5 |
| | | |
| | | |
| | | |
| | | |
| | Mark | (X) this box if you attach a continuation sheet. |

| | | · · · · · · · · · · · · · · · · · · · | | | | | |
|--------------------|--|---|---------|--|--|--|--|
| 1.03 | Does the substance you are reporting on have an "x/p" designation associated with it in the above-listed Federal Register Notice? | | | | | | |
| | | s | | | | | |
| | | <u></u> , | | | | | |
| 1.04 <u>CBI</u> [] | a. | Do you manufacture, import, or process the listed substance and distribute under a trade name(s) different than that listed in the Federal Register N Circle the appropriate response. Yes | lotice? | | | | |
| | b. | Check the appropriate box below: | | | | | |
| | | [] You have chosen to notify your customers of their reporting obligati | ons | | | | |
| | | Provide the trade name(s) | | | | | |
| | | [_] You have chosen to report for your customers | | | | | |
| | | [] You have submitted the trade name(s) to EPA one day after the effect date of the rule in the <u>Federal Register</u> Notice under which you are reporting. | ive | | | | |
| 1.05 CBI | repo | you buy a trade name product and are reporting because you were notified of corting requirements by your trade name supplier, provide that trade name. | your | | | | |
| [_] | | de name Stafoam P540T | · | | | | |
| | | the trade name product a mixture? Circle the appropriate response. | | | | | |
| (| Yes) | | `` | | | | |
| | No . | ••••••••••••••••••••••••••••••••••••••• | 2 | | | | |
| | Cert sign | tification The person who is responsible for the completion of this form n the certification statement below: | must | | | | |
| <u> </u> | "I h ente | hereby certify that, to the best of my knowledge and belief, all information ered on this form is complete and accurate." | ı | | | | |
| | <u> E</u> ı | NAME SIGNATURE 7/7/89 DATE SIGNATURE | NED | | | | |
| | <u>Vic</u> | e President & General Manager (206) 356 - 3201 TITLE TELEPHONE NO. | | | | | |
| | ark | (X) this box if you attach a continuation sheet. | | | | | |

| 1.07 <u>CBI</u> [] | with the required information of within the past 3 years, and the for the time period specified if are required to complete section | f you have provided EPA or another Fon a CAIR Reporting Form for the list information is current, accurate in the rule, then sign the certification 1 of this CAIR form and provide a submitted. Provide a copy of any etion 1 submission. | ted substance, and complete tion below. You ny information |
|--------------------------|--|---|---|
| | information which I have not in | best of my knowledge and belief, al cluded in this CAIR Reporting Form and is current, accurate, and compl | has been submitted |
| | N A NAME | SIGNATURE | DATE SIGNED |
| | TITLE | TELEPHONE NO. | DATE OF PREVIOUS SUBMISSION |
| <u>CBI</u> | "My company has taken measures and it will continue to take the been, reasonably ascertainable tusing legitimate means (other tha judicial or quasi-judicial proinformation is not publicly avai | e asserted any CBI claims in this remember truthfully and accurately applich you have asserted. to protect the confidentiality of these measures; the information is not by other persons (other than government discovery based on a showing of occeding) without my company's conseilable elsewhere; and disclosure of my company's competitive position.' | ne information, t, and has not ment bodies) by special need in ent; the |
| | NA NAME TITLE | SIGNATURE () TELEPHONE NO. | DATE SIGNED |
| , , | ark (X) this box if you attach a | | |

| PART | B CORPORATE DATA |
|------------|---|
| 1.09 | Facility Identification |
| <u>CBI</u> | Name [H]0]N]E]Y]W]E]L]L]L]]]N]C]]M]A]R]I]N]E]]]S]Y]S]] Address [6]5]0]0]]]H]A]R]B]0]U]R]]]H]T]S]]P]K]W[Y]]]] |
| | [E]V]E]R]E]T]T]]]]]]]]]]]]]]]]]]]]]]]]]]] |
| | [W]A] [9]8]2]0]4][8]8]9]9 State Zip |
| | Dun & Bradstreet Number |
| | EPA ID Number |
| | Employer ID Number |
| | Primary Standard Industrial Classification (SIC) Code $[3]$ |
| | Other SIC Code |
| | Other SIC Code |
| 1.10 | Company Headquarters Identification |
| <u>CBI</u> | Name [<u>H</u>] <u>O</u>] <u>N</u>] <u>E</u>] <u>Y</u>] <u>W</u>] <u>E</u>] <u>L</u>] <u>L</u>]_]] <u>J</u>] <u>N</u>] <u>C</u>]_]]_]_]_]_]_]]_] |
| [_] | Address [2]7]0]1] F]0]U]R]T]H]]A]V]E]]S[]]]]]]]]]]]]]]]] |
| | [M]I]N]N]E]A]P]O]L]I]S]_]_]_]_]_]_]_]]]]]]]]]]]] |
| | |
| | Dun & Bradstreet Number $\dots [\overline{0}]\overline{0} - [\overline{1}]\overline{3}]\overline{2} - [\overline{5}]\overline{2}]\overline{4}]\overline{0}$ |
| | Employer ID Number |
| | |
| | |
| | |
| | |
| [_] } | Mark (X) this box if you attach a continuation sheet. |

1.12 Technical Contact

[__] Mark (X) this box if you attach a continuation sheet.

| BI Classification | Quantity (kg/yr |
|--|-----------------|
| Manufactured | 0 |
| Imported | 0 |
| Processed (include quantity repackaged) | 700 |
| Of that quantity manufactured or imported, report th | nat quantity: |
| In storage at the beginning of the reporting year | NA NA |
| For on-site use or processing | NA NA |
| For direct commercial distribution (including exp | oort) NA |
| In storage at the end of the reporting year | NA |
| Of that quantity processed, report that quantity: | |
| In storage at the beginning of the reporting year | 200 |
| Processed as a reactant (chemical producer) | 0 |
| Processed as a formulation component (mixture pro | oducer) 0 |
| Processed as an article component (article produc | eer) 700 |
| Repackaged (including export) | 0 |
| In storage at the end of the reporting year | 200 |

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

| PART | C IDENTIFICATION OF MIXTURES | 5 | | | | |
|------------|--|-------------------------|------------------------|-----------|---------|---|
| 1.17 | Mixture If the listed sub or a component of a mixture, chemical. (If the mixture of each component chemical for | provide the composition | e followi is variab | ng inform | ation f | or each component |
| <u>CBI</u> | | | , , | | | • |
| [_] | | | | | Сот | Average % |
| | Component Name | | Supplier Name | | (s | pecify precision, e.g., $45\% \pm 0.5\%$) |
| | Toluene Diisocyanate | Expanded | Rubber & | Plastics | Corp. | < 70 |
| | Polyether Polyols | n | ti . | 11 | 11 | > 10 |

11

11

11

11

11

Chlorinated Phosphates

Benzoyl Chlorine

Total 100%

< 30

<0.1

[_] Mark (X) this box if you attach a continuation sheet.

| 2.04 | State the quantity of the listed substance that your facility manufactured, imported, or processed during the 3 corporate fiscal years preceding the reporting year in descending order. |
|-------------|--|
| CBI | |
| [_] | Year ending $[\overline{1}]\overline{2}$ $[\overline{8}]\overline{7}$ Mo. Year |
| | Quantity manufactured 0 kg |
| | Quantity imported 0 kg |
| | Quantity processed 550 kg |
| | Year ending |
| | Quantity manufactured 0 kg |
| | Quantity imported 0 kg |
| | Quantity processed 550 kg |
| | Year ending |
| | Quantity manufactured 0 kg |
| | Quantity imported 0 kg |
| | Quantity processed |
| 2.05 CBI | Specify the manner in which you manufactured the listed substance. Circle all appropriate process types. |
| [_] | Continuous process |
| | Semicontinuous process |
| | Batch process 3 |
| | |
| | Mark (X) this box if you attach a continuation sheet. |

| CBI | Specify the manner in appropriate process t | which you processed types. | the listed substance. | Circle all | | | |
|--------------------|---|--|---|--|--|--|--|
| [_] | Continuous process | | | | | | |
| | Semicontinuous process | s | | | | | |
| | Batch process | • | ••••• | | | | |
| 2.07 <u>CBI</u> | State your facility's substance. (If you are question.) | name-plate capacity free a batch manufacture | or manufacturing or per or batch processor, | rocessing the listed do not answer this | | | |
| [_] | Manufacturing capacity | , | | NA kg/yr | | | |
| , | Processing capacity | | _ | | | | |
| 2.08 | If you intend to incremanufactured, imported year, estimate the inc | ease or decrease the q l, or processed at any crease or decrease bas | time after your curr | ent corporate fiscal | | | |
| <u>CBI</u> | volume. | | | | | | |
| <u>CBI</u> | volume. | ManufacturingQuantity (kg) | Importing Quantity (kg) | Processing Quantity (kg) | | | |
| | volume. Amount of increase | | | | | | |
| | volume. | Quantity (kg) | Quantity (kg) | Quantity (kg) | | | |
| | Amount of increase | Quantity (kg) NA | Quantity (kg) NA | Quantity (kg) NA | | | |
| | Amount of increase | Quantity (kg) NA | Quantity (kg) NA | Quantity (kg) NA | | | |
| | Amount of increase | Quantity (kg) NA | Quantity (kg) NA | Quantity (kg) NA | | | |
| | Amount of increase | Quantity (kg) NA | Quantity (kg) NA | Quantity (kg) NA | | | |
| | Amount of increase | Quantity (kg) NA | Quantity (kg) NA | Quantity (kg) NA | | | |
| | Amount of increase | Quantity (kg) NA | Quantity (kg) NA | Quantity (kg) NA | | | |
| | Amount of increase | Quantity (kg) NA | Quantity (kg) NA | Quantity (kg) NA | | | |

| 2.09 | listed substance substance durin | argest volume manufacturing or processing proce e, specify the number of days you manufactured g the reporting year. Also specify the average s type was operated. (If only one or two opera | or processed number of h | the listours per | sted r |
|---------------------------|----------------------------------|---|-----------------------------|-------------------|-----------|
| [<u> </u> | | | _Days/Year | Averag Hours/D | |
| | Process Type #1 | (The process type involving the largest quantity of the listed substance.) | | | |
| | | Manufactured | NA | NA | |
| | | Processed | 250 | 1 | |
| | Process Type #2 | (The process type involving the 2nd largest quantity of the listed substance.) | | | |
| | | Manufactured | NA | NA | |
| | | Processed | <u>NA</u> | NA | |
| | Process Type #3 | (The process type involving the 3rd largest quantity of the listed substance.) | | | |
| | | Manufactured | NA | NA | |
| | | Processed | NA | NA | |
| 2.10 <u>CBI</u> [_] | | um daily inventory and average monthly inventory vas stored on-site during the reporting year in | | | |
| | Maximum daily in | ventory | | NA | kg |
| | Average monthly | inventory | - | NA | kg |
| | | | | | |

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• (

 $[\underline{ }]$ Mark (X) this box if you attach a continuation sheet.

| CAS No. | Chemical Name | Byproduct, Coproduct or Impurity ¹ | Concentration (%) (specify ± % precision) | Source of By products, Co products, or Impurities |
|---------|---------------|---|---|---|
| NA | | | | |
| | | | | |
| | | | | |
| | | | | |

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

| 2.12 <u>CBI</u> [_] | Existing Product Types imported, or processed the quantity of listed total volume of listed quantity of listed subslisted under column b., the instructions for fu | using the listed su substance you use is substance used duri tance used captivel and the types of e | ibsta for a ing ly or end- | ance during the re each product type a the reporting year n-site as a percen users for each pro | porting year. List as a percentage of the . Also list the tage of the value |
|---------------------|--|---|---|---|---|
| | a. Product Types ¹ | b. % of Quantity Manufactured, Imported, or Processed | | c. % of Quantity Used Captively On-Site | d. Type of End-Users ² |
| | C | 100 | - - | 100 | H H |
| | | | _ | | |
| | | | <u> </u> | | |
| | <pre>"Use the following codes to designate prod" A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/ Sensitizer D = Inhibitor/Stabilizer/Scavenger/ Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiwear agent I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and additives</pre> | | L = N = O = O = O = O = O = O = O = O = O | Moldable/Castable Plasticizer Dye/Pigment/Color Photographic/Repr and additives Electrodeposition Fuel and fuel add Explosive chemical Fragrance/Flavor Pollution control Functional fluids Metal alloy and a Rheological modif | n/Plating chemicals ditives als and additives chemicals chemicals and additives additives |
| | ² Use the following codes I = Industrial CM = Commercial | CS = Cons | umer | | Defense_ |
| | Mark (X) this box if you | | | | |

| <u>I</u> | import, or process usi corporate fiscal year. | ng the listed substated For each use, spector each use as a percentage of each product type. | the value listed unde | your current expect to manufact lume of listed ty of listed substr column b., and t |
|----------|---|---|---|--|
| | a. | b. | c. | d. |
| | Product Types ¹ | % of Quantity Manufactured, Imported, or Processed | % of Quantity Used Captively On-Site | Type of End-Use |
| | С | 100 | 100 | Н . |
| | | | | |
| | | | | |
| | | | | |
| | ¹ Use the following cod | es to designate prod | luct types: | |
| | <pre>agent I = Surfactant/Emulsi J = Flame retardant</pre> | r/Accelerator/ zer/Scavenger/ t t/Sequestrant t/Degreaser n modifier/Antiwear | L = Moldable/Castable M = Plasticizer N = Dye/Pigment/Color O = Photographic/Reprand additives P = Electrodeposition Q = Fuel and fuel add R = Explosive chemica S = Fragrance/Flavor T = Pollution control U = Functional fluids V = Metal alloy and a W = Rheological modif X = Other (specify) | rant/Ink and addit rographic chemical n/Plating chemical ditives als and additives chemicals chemicals and additives additives |
| | B = Synthetic reactan C = Catalyst/Initiato Sensitizer D = Inhibitor/Stabili Antioxidant E = Analytical reagen F = Chelator/Coagulan G = Cleanser/Detergen H = Lubricant/Friction agent I = Surfactant/Emulsi J = Flame retardant | r/Accelerator/ zer/Scavenger/ t t/Sequestrant t/Degreaser n modifier/Antiwear fier hesive and additives | <pre>M = Plasticizer N = Dye/Pigment/Color 0 = Photographic/Repr and additives P = Electrodeposition Q = Fuel and fuel add R = Explosive chemica S = Fragrance/Flavor T = Pollution control U = Functional fluids V = Metal alloy and a W = Rheological modification</pre> <pre>X = Other (specify)</pre> | rant/Ink and addit rographic chemical n/Plating chemical ditives als and additives chemicals chemicals and additives additives |

| a. | b. | c. Average % | d. |
|---|---|--|---|
| Product Type ¹ | Final Product's Physical Form ² | Composition of Listed Substance in Final Product | Type of End-Users |
| Closed Cell Foam | F4 | UK | Н |
| | | | |
| A = Solvent B = Synthetic rea C = Catalyst/Init | ciator/Accelerator/ abilizer/Scavenger/ cagent culant/Sequestrant crgent/Degreaser ction modifier/Antiwear ulsifier nt r/Adhesive and additive codes to designate the | L = Moldable/Castable M = Plasticizer N = Dye/Pigment/Colors O = Photographic/Represent and additives P = Electrodeposition Q = Fuel and fuel addit R = Explosive chemical S = Fragrance/Flavor of T = Pollution control U = Functional fluids V = Metal alloy and addit W = Rheological modifies S = Other (specify) final product's physical | ant/Ink and addingraphic chemical relating chemical schemicals and additives and additives and additives and additives er |
| A = Gas B = Liquid C = Aqueous solut D = Paste E = Slurry F1 = Powder | F3 = Grain $F4 = Other $ $G = Gel$ | | |
| ³ Use the following I = Industrial CM = Commercial | codes to designate the CS = Cons H = Othe | | fense |

| 2.15 CBI | | le all applicable modes of transportation used to deliver bulked substance to off-site customers. | k shipments of | the | | | | | | |
|--------------------------|-----------------|--|---------------------------------|---------------|--|--|--|--|--|--|
| [_] | Truc | k | NA NA | 1 | | | | | | |
| | Rail | car | | 2 | | | | | | |
| | Barge, Vessel 3 | | | | | | | | | |
| | Pipe | line | | 4 | | | | | | |
| | Plan | e | | 5 | | | | | | |
| | 0the | r (specify) | | 6 | | | | | | |
| 2.16 <u>CBI</u> [] | or profes | omer Use Estimate the quantity of the listed substance used repared by your customers during the reporting year for use unind use listed (i-iv). | l by your cust der each cate | omers gory | | | | | | |
| | | gory of End Use | | | | | | | | |
| | i. | Industrial Products | | | | | | | | |
| | | Chemical or mixture | 0 | kg/yr | | | | | | |
| | | Article | 0 | kg/yr | | | | | | |
| | ii. | Commercial Products | | | | | | | | |
| | | Chemical or mixture | 0 | kg/yr | | | | | | |
| | | Article | 0 | kg/yr | | | | | | |
| | iii. | Consumer Products | | | | | | | | |
| | | Chemical or mixture | 0 | kg/yr | | | | | | |
| | | Article | 0 | kg/yr | | | | | | |
| | iv. | <u>Other</u> | | | | | | | | |
| | | Distribution (excluding export) | 0 | kg/yr | | | | | | |
| | | Export | 0 | kg/yr | | | | | | |
| | | Quantity of substance consumed as reactant | | kg/yr | | | | | | |
| | | Unknown customer uses | 0 | kg/.yr | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | Mark | (X) this box if you attach a continuation sheet. | | | | | | | | |

| SECTION | 3 | PROCESSOR | RAU | MATERTAL | TDENTIFICATION |
|---------|---|-----------|-------|----------|-----------------------|
| SECTION | | LUCESSUR | LVW M | MAICKIAL | IDENTILICATION |

| <u>BI</u> | Specify the quantity purchased and the average price paid for the listed substance for each major source of supply listed. Product trades are treated as purchases. The average price is the market value of the product that was traded for the listed substance. | | | | | | | |
|------------------|--|------------------|-------------------------|--|--|--|--|--|
| _, | Source of Supply | Quantity (kg) | Average Pric (\$/kg) | | | | | |
| | The listed substance was manufactured on-site. | 0 | NA NA | | | | | |
| | The listed substance was transferred from a different company site. | 0 | NA | | | | | |
| | The listed substance was purchased directly from a manufacturer or importer. | 0 | NA | | | | | |
| | The listed substance was purchased from a distributor or repackager. | 0 | NA NA | | | | | |
| | The listed substance was purchased from a mixture producer. | 700 | 11 | | | | | |
| 02 <u>-</u>] | Circle all applicable modes of transportation used to your facility. Truck | | | | | | | |

| 3.03 <u>CBI</u> | a. | Circle all applicable containers used to transport the listed substance to you facility. | ır |
|--------------------|------|---|----------|
| [_] | | Bags | 1 |
| | | Boxes | 2 |
| | | Free standing tank cylinders | 3 |
| | | Tank rail cars | . 4 |
| | | Hopper cars | . 5 |
| | | Tank trucks | . 6 |
| | | Hopper trucks | . 7 |
| | | Drums | <u>8</u> |
| | | Pipeline | . 9 |
| | | Other (specify) | .10 |
| | b. | If the listed substance is transported in pressurized tank cylinders, tank rai cars, or tank trucks, state the pressure of the tanks. | 1 |
| | | Tank cylinders NA m | mHg |
| | | Tank rail cars m | mHg |
| | | Tank trucks m | mHg |
| | | | |
| | | | |
| | | | |
| | | | |
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| | | | |
| | | | |
| | | | |
| [_] | Mark | k (X) this box if you attach a continuation sheet. | |

| Trade Name | Supplier or <u>Manufacturer</u> Expanded Rubber | Average % Composition by Weight (specify ± % precision) | Amount Processed (kg/yr) |
|---------------|---|---|--------------------------------|
| Stafoam P540T | & Plastics Corp. | 60 ± 10% | 1000 |
| | | | |
| 1770 | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | • |
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Mark (X) this box if you attach a continuation sheet.

| 3.05 <u>CBI</u> [_] | State the quantity of the listed substance used as a raw material during the reporting year in the form of a class I chemical, class II chemical, or polymer, and the percent composition, by weight, of the listed substance. | | | | | | |
|---------------------------|--|--------------------------|---|--|--|--|--|
| · | | Quantity Used (kg/yr) | % Composition by Weight of Listed Substance in Raw Material (specify \pm % precision) | | | | |
| | Class I chemical | NA | | | | | |
| | Class II sharing | | | | | | |
| | Class II chemical | NA | | | | | |
| | Polymer | NA | • | | | | |
| | | | | | | | |
| | | | | | | | |
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| OT OTT ON | , | DINGTOLI /OUDLITOLI | DRADDETEC |
|-----------|---|---------------------|------------|
| SELTION | 4 | PHYSTCAL/CHEMICAL | PROPERTIES |

| Cen | era | ו ו | 'ne | true | rti | ons: |
|-----|-----|-----|--------|------|-----|------|
| OC! | CLO | | . 11.3 | LLU | | 0112 |

If you are reporting on a mixture as defined in the glossary, reply to questions in Section 4 that are inappropriate to mixtures by stating "NA -- mixture."

For questions 4.06-4.15, if you possess any hazard warning statement, label, MSDS, or other notice that addresses the information requested, you may submit a copy or reasonable facsimile in lieu of answering those questions which it addresses.

| tacsi | imile in lieu of answeri | ng those questions which | it addresses. | | | | |
|-----------------|--|---|-------------------------|--------------|--|--|--|
| PART | A PHYSICAL/CHEMICAL DA | TA SUMMARY | | | | | |
| 4.01 <u>CBI</u> | Specify the percent purity for the three major 1 technical grade(s) of the listed substance as it is manufactured, imported, or processed. Measure the purity of the substance in the final product form for manufacturing activities, at the time you import the substance, or at the point you begin to process the substance. | | | | | | |
| ı, | | Manufacture | <u>Import</u> | Process | | | |
| | Technical grade #1 N | IA - mixture% purity | % purity | % purity | | | |
| | Technical grade #2 | % purity | % purity | % purity | | | |
| | Technical grade #3 | % purity | % purity | % purity | | | |
| 4.02 | Submit your most recently updated Material Safety Data Sheet (MSDS) for the listed substance, and for every formulation containing the listed substance. If you possess an MSDS that you developed and an MSDS developed by a different source, submit your version. Indicate whether at least one MSDS has been submitted by circling the appropriate response. | | | | | | |
| | Yes | • | | 1 | | | |
| | No | | | 2 | | | |
| | Indicate whether the MS | SDS was developed by you | r company or by a diffe | rent source. | | | |
| | Your company | | | ① | | | |
| | Another source | | | 2 | | | |
| | Mark (X) this box if vo | ou attach a continuation | sheet. | | | | |

| 4.03 | Submit a copy or reasonable facsimile of any hazard information (other than an MSDS) that is provided to your customers/users regarding the listed substance or any formulation containing the listed substance. Indicate whether this information has been submitted by circling the appropriate response. |
|------|---|
| | Yes 1 |
| | No |
| | |

4.04 For each activity that uses the listed substance, circle all the applicable number(s) corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at the time you import or begin to process the listed substance. Physical states for manufacturing, storage, disposal and transport activities are determined using the final state of the product.

Physical State Liquified Solid Activity Slurry Liquid Gas Gas 1 2 Manufacture 3 5 NA 1 2 3 5 Import NA (3) (3) (3) (3) 1 2 **Process** 5 1 Store 5 2 Dispose 5 2 Transport 5

4.05 Particle Size — If the listed substance exists in particulate form during any of the following activities, indicate for each applicable physical state the size and the percentage distribution of the listed substance by activity. Do not include particles ≥10 microns in diameter. Measure the physical state and particle sizes for importing and processing activities at the time you import or begin to process the listed substance. Measure the physical state and particle sizes for manufacturing storage, disposal and transport activities using the final state of the product.

| Physical State | | Manufacture | <u>Import</u> | Process | <u>Store</u> | Dispose | Transport |
|-------------------|------------------|-------------|---------------|---------|--------------|---------|-----------|
| Dust | <1 micron | NA | NA | NA | NA | NA | NA |
| | 1 to <5 microns | 11 | | | | 11 | 11 |
| | 5 to <10 microns | *** | | 11 | | 11 | *** |
| Powder | <1 micron | | 11 | 11 | 11 | - tt | ř1 |
| | 1 to <5 microns | | 11 | *** | | 11 | 11 |
| | 5 to <10 microns | | | | | *** | *** |
| Fiber | <1 micron | 11 | | 11 | | 11 | 11 |
| | 1 to <5 microns | | <u> </u> | | | | 11 |
| | 5 to <10 microns | 11 | | | | | 11 |
| | | | | | | | |
| Aerosol | <1 micron | *** | 11 | | 11 | 11 | |
| | 1 to <5 microns | H | 11 | 51 | | 11 | 11 |
| | 5 to <10 microns | n | 11 | FT | | | t1 |

|--|--|--|--|

| SECTION | 5 | ENVIRONMENTAL | FATE |
|---------|---|---------------|------|
| | | | |

| In | dicate the rate constants for the following tra | nsformat | ion proce | sses | • | |
|----|---|----------|-----------|-------------|--------------|-------------|
| a. | Photolysis: | | | | | |
| | Absorption spectrum coefficient (peak) | UK | (1/M cm) | at | UK | nm |
| | Reaction quantum yield, ø | U | K | at . | UK | nm |
| | Direct photolysis rate constant, k_p , at | UK | 1/hr | | UK | latitu |
| ъ. | Oxidation constants at 25°C: | | | | | |
| | For ¹ 0 ₂ (singlet oxygen), k _{ox} | | UK | | | 1/M |
| | For RO_2 (peroxy radical), k_{ox} | | UK | | | 1/M |
| c. | Five-day biochemical oxygen demand, BOD ₅ | | UK | | | mg/ |
| d. | Biotransformation rate constant: | | | | | |
| | For bacterial transformation in water, k_b | | UK | | | 1/h |
| | Specify culture | | UK | | | |
| e. | Hydrolysis rate constants: | | | | | |
| | For base-promoted process, k _B | | UK | | | 1/M |
| | For acid-promoted process, k, | | UK | | | 1/M |
| | For neutral process, k _N | | UK | | | 1/h: |
| f. | Chemical reduction rate (specify conditions) | | UK | | . | |
| g. | Other (such as spontaneous degradation) | | UK | | | _ |

| [_] | Mark (X) this | box if you attach a | continuation sheet. | |
|-----|---------------|---------------------|---------------------|--|

| | ? a. | Specify the half-l | ife of the listed su | bstance in the follow | ing medi | a. |
|------|----------|--|------------------------------------|------------------------------|-----------------------|--------------|
| | | <u>Media</u> | | Half-life (spec | ify unit | <u>s)</u> |
| | | Groundwater | | UK | | • |
| | | Atmosphere | | UK | | |
| | | Surface water | | UK | | |
| | | Soil | | UK | | |
| | b. | Identify the listed life greater than 2 | d substance's known t 24 hours. | transformation produc | ts that | have a half- |
| | | CAS No. | Name | Half-life (specify units) | | <u>Media</u> |
| | | UK | | | in | |
| | | | | | in | |
| | | | | | in | |
| | | | | | in | |
| 5.03 | | | | ient, K _{ow} | | |
| | metr | nod of calculation o | r determination | ····· | | |
| 5.04 | Spec | eify the soil-water | partition coefficien | t, K _d | UK | at 25°0 |
| | Soil | type | •••••• | | 5 W. S. Spring (1981) | |
| 5.05 | | eify the organic car ficient, K _{oc} | | | UK | at 25°0 |
| | G | if. the Hermite Lev | Constant H | | | atm m³/mala |

| | e type of test u | | | |
|--|------------------|---------------|-------------------------|---|
| Bioconcentration Factor | <u> 500</u> | ecies | <u>Test¹</u> | |
| UK | | | | |
| UK | | | | |
| UK | | | | |
| ¹ Use the following codes t | to designate the | type of test: | | |
| F = Flowthrough S = Static | | | | |
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| [_] | Market | Quantity Sold or Transferred (kg/yr) | Total Sales Value (\$/yr) |
|-----------|--|---|--|
| | Retail sales | NA | |
| | Distribution Wholesalers | 11 | |
| | Distribution Retailers | tt | |
| | Intra-company transfer | 11 | |
| | Repackagers | ft | |
| | Mixture producers | 11 | |
| | Article producers | *** | |
| | Other chemical manufacturers or processors | tt | |
| | Exporters | | |
| | Other (specify) | | |
| | | | |
| | | | |
| .05 BI | Substitutes List all known comm for the listed substance and state feasible substitute is one which i in your current operation, and whiperformance in its end uses. | ercially feasible substitute the cost of each substitutes economically and technology | e. A commercially gically feasible to us |
| | for the listed substance and state feasible substitute is one which in in your current operation, and whi | ercially feasible substitute the cost of each substitute s economically and technolog ch results in a final produc | e. A commercially gically feasible to us |
| | for the listed substance and state feasible substitute is one which i in your current operation, and whiperformance in its end uses. | ercially feasible substitute the cost of each substitute s economically and technolog ch results in a final produc | e. A commercially gically feasible to u ct with comparable |
| | for the listed substance and state feasible substitute is one which i in your current operation, and whiperformance in its end uses. Substitute | ercially feasible substitute the cost of each substitute s economically and technolog ch results in a final produc | e. A commercially gically feasible to u ct with comparable |
| | for the listed substance and state feasible substitute is one which i in your current operation, and whiperformance in its end uses. Substitute | ercially feasible substitute the cost of each substitute s economically and technolog ch results in a final produc | e. A commercially gically feasible to u ct with comparable |
| | for the listed substance and state feasible substitute is one which i in your current operation, and whiperformance in its end uses. Substitute | ercially feasible substitute the cost of each substitute s economically and technolog ch results in a final produc | e. A commercially gically feasible to u ct with comparable |
| | for the listed substance and state feasible substitute is one which i in your current operation, and whiperformance in its end uses. Substitute | ercially feasible substitute the cost of each substitute s economically and technolog ch results in a final produc | e. A commercially gically feasible to u ct with comparable |
| | for the listed substance and state feasible substitute is one which i in your current operation, and whiperformance in its end uses. Substitute | ercially feasible substitute the cost of each substitute s economically and technolog ch results in a final produc | e. A commercially gically feasible to u ct with comparable |

SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

General Instructions:

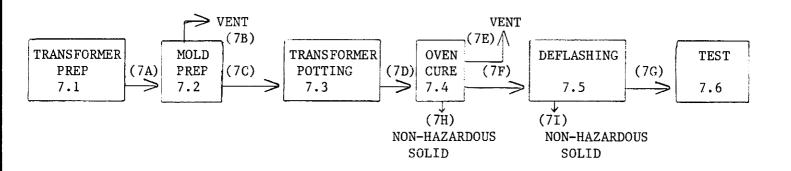
For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

7.01 In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.

CBI

Process type MK46 Foam Potting Operation



[] Mark (X) this box if you attach a continuation sheet.

7.03 In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.

CBI

Process type MK46 Foam Potting Operation

| | VENT (7E) |
|------|-----------|
| OVEN | |
| CURE | · |
| 7.4 | |

| 7.04 | process bloc | typical equipment type k flow diagram(s). If cess type, photocopy the | a process block flo | w diagram is pro | vided for more |
|------|-----------------------------------|---|--|----------------------------------|-----------------------|
| CBI | | | | | |
| [_] | Process type | <u>MK46 Foam</u> I | Potting Operation | | |
| | Unit Operation ID Number | Typical Equipment Type | Operating Temperature Range (°C) | Operating Pressure Range (mm Hg) | Vessel Composition |
| | 7.4 | Curing Oven | 80-90 | 760 | Steel |
| | | | | | |
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| | | box if you attach a co | · · · · · · · · · · · · · · · · · · · | | |

| [_] | Process type MK46 Foam Potting Operation | | | | | | |
|-----|--|-----------------------------|-----------------------------|------------------------|--|--|--|
| | Process Stream ID Code | Process Stream _Description | Physical State ¹ | Stream Flow (kg/yr) | | | |
| | 7E | Oven Vent | GU | <10 | | | |
| | | | | | | | |
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| | Use the following codes to designate the physical state for each process stream: GC = Gas (condensible at ambient temperature and pressure) GU = Gas (uncondensible at ambient temperature and pressure) SO = Solid SY = Sludge or slurry AL = Aqueous liquid OL = Organic liquid IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene) | | | | | | |
| | SY = Sludge or AL = Aqueous li OL = Organic li | quid | , 90% water, 10% toluene) | • | | | |
| | SY = Sludge or AL = Aqueous li OL = Organic li | quid | , 90% water, 10% toluene) | | | | |
| | SY = Sludge or AL = Aqueous li OL = Organic li | quid | , 90% water, 10% toluene) | | | | |
| | SY = Sludge or AL = Aqueous li OL = Organic li | quid | , 90% water, 10% toluene) | | | | |
| | SY = Sludge or AL = Aqueous li OL = Organic li | quid | , 90% water, 10% toluene) | • | | | |

| | | | Process type MK46 Foam Potting Operation | | | | | | |
|----------|------------------------------|------------------------------|--|--------------------------------|-------------------------------------|--|--|--|--|
| | a. | b. | c. | d. | e | | | | |
| | Process Stream ID Code | Known Compounds ¹ | Concen- trations ^{2,3} (% or ppm) | Other Expected Compounds | Estimated Concentrations (% or ppm) | | | | |
| | 7B | Air | >99%(E)(V) | | | | | | |
| | | Isopropyl alcohol | 0.1%(E)(V) | | | | | | |
| | | Mineral Spirits | 0.1%(E)(V) | | | | | | |
| | 7E | Air | >99%(E)(V) | | | | | | |
| | | Toluene diisocyanate | 1ppm(E)(V) | | | | | | |
| | | Trichlorotrifluorometh | | | | | | | |
| 7.06 | continued b | | | | | | | | |
| | | | | | | | | | |
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 $X_{j} = \{x_{j} \in \mathcal{X}_{j} \mid x_{j} \in \mathcal{X}_{j} \mid x_{j} \in \mathcal{X}_{j} \}$

7.06 (continued)

¹For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

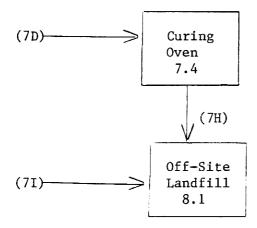
| Additive Package Number | Components of Additive Package | Concentration (% or ppm) |
|---|----------------------------------|--------------------------|
| 1 | NA | NA |
| | | - |
| 2 | | W-9/44 |
| | | |
| | | |
| 3 | -100.45 | |
| | | |
| | | |
| 4 | | |
| | | |
| 5 | | |
| | | |
| | | - |
| Use the following codes | to designate how the concentrati | ion was determined: |
| A = Analytical result E = Engineering judgemen | t/calculation | |
| Use the following codes | to designate how the concentrati | on was measured: |
| V = Volume W = Weight | | |
| 5 | | |

| PART A | RESTRIAL. | TREATMENT | PROCESS | DESCRIPTION |
|--------|-----------|-----------|---------|-------------|

8.01 In accordance with the instructions, provide a residual treatment block flow diagram which describes the treatment process used for residuals identified in question 7.01.

CBI

Process type MK46 Foam Potting Operation



[] Mark (X) this box if you attach a continuation sheet.

| 3.05 CBI | Characterize each process stream identified in your residual treatment block flow diagram(s). If a residual treatment block flow diagram is provided for more than o process type, photocopy this question and complete it separately for each process type. (Refer to the instructions for further explanation and an example.) | | | | | | | |
|-------------|--|-------------------------------|--|---------------------------------------|--|--------------------------------|--|--|
| [_] | Process type MK46 Foam Potting Operation | | | | | | | |
| | a. | b . | c. | d. | e. | f. | g. | |
| | Stream ID Code | Type of Hazardous Waste | Physical State of Residual ² | Known Compounds ³ Toluene | Concentra- tions (% or ppm) ^{4,5,6} | Other Expected Compounds | Estimated Concen- trations (% or ppm) | |
| | 7D | T | OL | diisocyanate trichloro- fluoromethane | <35%(E)(V) <10%(E)(V) | | | |
| | 7H | Non-haz | SO | UK | | | | |
| | | | | | | | | |
| | <u>71</u> | Non-haz | S0 | UK | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 05 | continue | ed below | | | | | | |

8.05 (continued) ¹Use the following codes to designate the type of hazardous waste: I = Ignitable C = Corrosive R = Reactive E = EP toxicT = ToxicH = Acutely hazardous ²Use the following codes to designate the physical state of the residual: GC = Gas (condensible at ambient temperature and pressure) GU = Gas (uncondensible at ambient temperature and pressure) SO = SolidSY = Sludge or slurry AL = Aqueous liquid OL = Organic liquid IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene) 8.05 continued below

8.05 (continued)

³For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column d. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

| | Additive <u>Package Number</u> | Components of Additive Package | Concentrations (% or ppm) |
|------|--|------------------------------------|---------------------------|
| | 1 | NA | NA |
| | | | |
| | 2 | | |
| | | | |
| | 3 | | |
| | | <u> </u> | |
| | 4 | | |
| | | | |
| | 5 | | |
| | | | |
| | ⁴ Use the following codes t | to designate how the concentration | n was determined: |
| | <pre>A = Analytical result E = Engineering judgement</pre> | c/calculation | |
| 3.05 | continued below | | |
| j | Mark (X) this box if you a | ttach a continuation sheet. | |
| | | 56 | |

| 8.05 | (continu | ed) |
|------|------------|-----|
| 0.05 | (CON CING | ~~, |

 ^{5}Use the following codes to designate how the concentration was measured:

V = Volume

W = Weight

⁶Specify the analytical test methods used and their detection limits in the table below. Assign a code to each test method used and list those codes in column e.

| Code | | Method | Detection Limit (± ug/l) |
|------|----|-------------|-----------------------------|
| 1 | NA | | NA |
| 2 | - | | |
| 3 | | | |
| 4 | | + M.OFTHY 7 | |
| 5 | | | |
| 6 | | | |

[] Mark (X) this box if you attach a continuation sheet.

8.06 Characterize each process stream identified in your residual treatment block flow diagram(s). If a residual treatment block flow diagram is provided for more than one process type, photocopy this question and complete it separately for each process type. (Refer to the instructions for further explanation and an example.) CBI Process type MK46 Foam Potting Operation d. f. a. b. c. e. g. Costs for Off-Site Stream Waste Management Residual Management Changes in ID Description Method Quantities of Residual (%) Management Management Code Code' Code² (kg/yr) On-Site Off-Site (per kg) Methods 7D B69 1 D < 10 100 NA None B82 <200 7H 1D 100 0.03 None 7**I** B82 1 D <10 100 0.03 None ¹Use the codes provided in Exhibit 8-1 to designate the waste descriptions ²Use the codes provided in Exhibit 8-2 to designate the management methods [] Mark (X) this box if you attach a continuation sheet.

٠,

| [_] | | Ch | oustion namber nture (°C) | Temp | tion of erature nitor | In Co | ence Time mbustion (seconds) |
|-------------|--|---------------------------|---|--|---|--|-------------------------------------|
| | Incinerator | Primary | Secondary | Primary | Secondary | <u>Primary</u> | Secondar |
| | 1 | NA | NA | NA | NA | NA | NA: |
| | 2 | | | | | | - , |
| | 3 | | | | | | |
| | by circl | ling the app | of Solid Wast | onse. | • | ••••• | - |
| 3.23 CBI | Complete the fare used on-si | te to burn | the residuals | | | ess block or | residual |
| | are used on-sitreatment bloc | te to burn | the residuals ram(s). Air Po | | | | residual of s Data |
| CBI | are used on-si treatment bloc | te to burn | the residuals ram(s). Air Po | identified | | ess block or Types Emission | residual of s Data |
| CBI | Incinerator | te to burn | the residuals ram(s). Air Po <u>Control</u> | identified | | ess block or Types Emission Avail | residual of s Data |
| CBI | Incinerator 2 Indicate | te to burn k flow diag | the residuals ram(s). Air Po <u>Control</u> | identified llution Device e survey has | in your proc | ess block or Types Emission Avail | residual of is Data able |
| CBI | Incinerator 1 2 Indicate by circle | if Office | the residuals ram(s). Air Po Control NA of Solid Waste | llution Device e survey has | in your proc | Types Emission Avail NA | residual of s Data able of response |
| CBI | Incinerator 1 2 Indicate by circl | if Office ing the app | Air Po Control NA of Solid Wasteropriate respec | llution Device e survey has | in your proc | Types Emission Avail NA ted in lieu | residual of s Data able of response |
| CBI | Incinerator 1 2 3 Indicate by circl Yes | if Office ing the app | Air Po Control NA of Solid Wasteropriate respe | llution Device e survey has onse. | s been submit | Types Emission Avail NA | of sof able of response |

PART A EMPLOYMENT AND POTENTIAL EXPOSURE PROFILE

9.01 Mark (X) the appropriate column to indicate whether your company maintains records on the following data elements for hourly and salaried workers. Specify for each data element the year in which you began maintaining records and the number of years the records for that data element are maintained. (Refer to the instructions for further explanation and an example.)

| Data Element | ata are Ma Hourly Workers | intained for Salaried Workers | Year in Which Data Collection Began | Number of Years Records Are Maintained |
|---|---------------------------------|-------------------------------------|-------------------------------------|--|
| Date of hire | X | X | 1951 | PERM |
| Age at hire | <u> </u> | X | 1951 | PERM |
| Work history of individual before employment at your facility | NA | NA | NA | NA |
| Sex | X | X | 1951 | PERM |
| Race | X | X | 1951 | PERM |
| Job titles | X | X | 1951 | PERM |
| Start date for each job title | X | X | 1951 | PERM |
| End date for each job title | X | X | 1951 | PERM |
| Work area industrial hygiene monitoring data | X | X | 1979 | PERM |
| Personal employee monitoring data | X | X | 1979 | PERM |
| Employee medical history | X | X | Prior to 1969 | PERM |
| Employee smoking history | NA | NA | NA | NA |
| Accident history | X | X | Prior to 1965 | PERM |
| Retirement date | <u> </u> | X | 1951 | PERM |
| Termination date | X | X | 1951 | PERM |
| Vital status of retirees | X | X | 1951 | PERM |
| Cause of death data | NA | NA | NA | NA |

| [_] | Mark | (X) | this | box | if | you | attach | а | continuation | sheet. | |
|-----|------|-----|------|-----|----|-----|--------|---|--------------|--------|--|
| | | | | | | | | | | | |

1. • . In accordance with the instructions, complete the following table for each activity in which you engage. CBI [-]a. b. c. d. e. Yearly Total Total **Process Category** Activity Quantity (kg) Workers Worker-Hours Manufacture of the Enclosed NA NA listed substance Controlled Release NA NA NA 0pen NA __NA NA On-site use as Enclosed NA __NA NA reactant Controlled Release NA NANA 0pen NA __NA NA **Enclosed** On-site use as NA __NA___ NA nonreactant Controlled Release NA __NA NA 0pen NA NA NA **Enclosed** On-site preparation NA NA NA of products Controlled Release 70Q 250 4 0pen NA NA NA

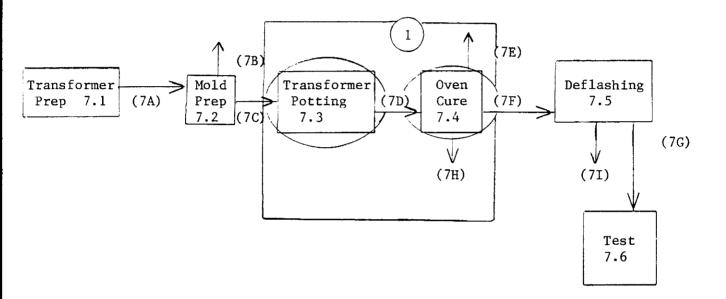
| |
|------|
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| |

| <u>CBI</u> | |
|----------------|-----------------------|
| Labor Category | Descriptive Job Title |
| A | Department Lead |
| В | Assembly Technician |
| С | |
| D | |
| E | |
| F | |
| G | |
| H | |
| I | |
| J | |
| | |
| | |
| | |

9.04 In accordance with the instructions, provide your process block flow diagram(s) and indicate associated work areas.

CBI

[] Process type MK46 Foam Potting Operation



[] Mark (X) this box if you attach a continuation sheet.

| 9.05 <u>CBI</u> | may potentially come additional areas not | work area(s) shown in question 9.04 that encompass workers who in contact with or be exposed to the listed substance. Add any shown in the process block flow diagram in question 7.01 or question and complete it separately for each process type. |
|--------------------|---|--|
| [_] | Process type | MK46 Foam Potting Operation |
| | Work Area ID | Description of Work Areas and Worker Activities Foam Potting Room (Workers inject molds with a polyurethane |
| | 1 | foam and then oven cure them |
| | 2 | |
| | 3 | |
| | 4 | |
| | 5 | |
| | 6 | |
| | 7 | |
| | 8 | |
| | 9 | |
| | 10 | |
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| | Mark (X) this box if y | rou attach a continuation sheet. |

| | · | | Operation | | |
|---|--|--|--|--|--|
| Work area . | • • • • • • • • • • • • • • | • | Foar | n Potting Room | |
| Labor Category | Number of Workers Exposed | Mode of Exposur (e.g., dire skin contac | ct Listed . | Average Length of Exposure Per Day ² | Number of Days per Year Exposed |
| A | 1 | Inhalation | n OL | В | 5 |
| В | 3 | Inhalation | n OL | В | 250 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| GC = Gas (tempe GU = Gas (tempe inclu SO = Solid Use the fol A = 15 minu B = Greater exceedi C = Greater | condensible at cature and presuncondensible at trature and presentature and presentes fumes, vaporable to the codes to | ambient ssure) at ambient ssure; ors, etc.) designate aver | physical state of SY = Sludge or s AL = Aqueous liquous liquo | lurry uid uid liquid ases, e.g., l0% toluene) osure per day: 2 hours, but r nours 4 hours, but r | no t |

| <u>CBI</u> | Photocopy this que area. | stion and complete it separately f | or each process type and work |
|------------|--------------------------|--|---|
| [_] | Process type | •• MK46 Foam Potting Operation | |
| | Work area | | oam Potting Room |
| | Labor Category | 8-hour TWA Exposure Level (ppm, mg/m ³ , other-specify) | 15-Minute Peak Exposure Leve (ppm, mg/m³, other-specify) |
| | A | 0.001ppm | 0.01ppm |
| | В | 0.001ppm | 0.01ppm |
| | | | |
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| Sample/Test | Work Area ID | Testing Frequency (per year) | Number of Samples (per test) | Who Samples ¹ | Analyzed In-House (Y/N) | Number Years Rec Maintair |
|---|------------------|------------------------------------|------------------------------------|-----------------------------|-------------------------------|---------------------------------|
| Personal breathing zone | 1 | 4 | 2 | A | N | PERM |
| General work area (air) | 1 | 1 | 1 | A | N | PERM |
| Wipe samples | NA | NA | NA | NA | NA | NA |
| Adhesive patches | NA | NA | NA | NA | NA | NA |
| Blood samples | NA | NA | NA | NA | NA | NA |
| Urine samples | NA | NA | NA | NA | NA | NA_ |
| Respiratory samples | NA | NA | NA | NA | NA | NA |
| Allergy tests | <u>NA</u> | NA | NA | NA | NA | NA |
| Other (specify) | | | | | | |
| NA | NA NA | NA | NA | NA | NA | NA |
| Other (specify) | | | | | | |
| Other (specify) | | | | | | |
| ¹ Use the following contact A = Plant industrial B = Insurance carries C = OSHA consultant D = Other (specify) | l hygienis er | | takes the | monitoring | g samples: | |

| [_] | Sample Type Sampling and Analytical Methodology | | | | | | | |
|------|--|--|--|----------------|--------------|--|--|--|
| - | Sample Type | | er cassette sampli | | <u>ogy</u> | | | |
| | Personal breathing zo | Personal breathing zone HPLC analysis | | | | | | |
| | General work area (at | ir) <u>Same as abo</u> | 7 <u>e</u> | | | | | |
| | - to take the | | | | | | | |
| | | -A-W1-W1-W | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 9.10 | If you conduct person | al and/or ambient | air monitoring fo | r the listed s | substance. | | | |
| | specify the following | | | | , | | | |
| CBI | | | | Averaging | | | | |
| [_] | Equipment Type ¹ | Detection Limit ² | Manufacturer | Time (hr) | Model Number | | | |
| | D | A | SKC | 1 | 224-PCXR7 | | | |
| | | | | | | | | |
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| | | | | ···· | | | | |
| | ¹ Has the following so | dos to designate | | | | | | |
| | ¹ Use the following co | | personal air monito | oring equipmen | t types: | | | |
| | A = Passive dosimete B = Detector tube | r | | oring equipmen | t types: | | | |
| | A = Passive dosimete | r ion tube with pum | p | oring equipmen | t types: | | | |
| | <pre>A = Passive dosimete B = Detector tube C = Charcoal filtrat</pre> | r ion tube with pum Filter cassette v | p rith pump | | | | | |
| | A = Passive dosimete B = Detector tube C = Charcoal filtrat D = Other (specify) Use the following cod E = Stationary monitor | r ion tube with pum <u>Filter cassette v</u> des to designate ors located withi | p vith pump ambient air monitor n work area | | | | | |
| | A = Passive dosimete B = Detector tube C = Charcoal filtrat D = Other (specify) Use the following cod E = Stationary monito F = Stationary monito G = Stationary monito | r ion tube with pum Filter cassette w des to designate ors located withi ors located withi ors located at pl | p with pump ambient air monitor n work area n facility ant boundary | | | | | |
| | A = Passive dosimete B = Detector tube C = Charcoal filtrat D = Other (specify) Use the following cod E = Stationary monitor F = Stationary monitor G = Stationary monitor | r ion tube with pum Filter cassette w des to designate ors located withi ors located withi ors located at pl | p with pump ambient air monitor n work area n facility ant boundary | | | | | |
| | A = Passive dosimete B = Detector tube C = Charcoal filtrat D = Other (specify) Use the following code E = Stationary monitor F = Stationary monitor G = Stationary monitor H = Mobile monitoring I = Other (specify) | ion tube with pum Filter cassette v des to designate ors located withi ors located withi ors located at pl g equipment (spec | p with pump ambient air monitor n work area n facility ant boundary ify) | ing equipment | | | | |
| | A = Passive dosimete B = Detector tube C = Charcoal filtrat D = Other (specify) Use the following cod E = Stationary monitor F = Stationary monitor G = Stationary monitor H = Mobile monitoring I = Other (specify) Use the following cod A = ppm | ion tube with pum Filter cassette v des to designate ors located withi ors located withi ors located at pl g equipment (spec | p with pump ambient air monitor n work area n facility ant boundary ify) | ing equipment | | | | |
| | A = Passive dosimete B = Detector tube C = Charcoal filtrat D = Other (specify) Use the following code E = Stationary monitor G = Stationary monitor H = Mobile monitoring I = Other (specify) Use the following code A = ppm B = Fibers/cubic cent | ion tube with pum Filter cassette v des to designate ors located withi ors located withi ors located at pl g equipment (spec des to designate timeter (f/çc) | p with pump ambient air monitor n work area n facility ant boundary ify) | ing equipment | | | | |
| | A = Passive dosimete B = Detector tube C = Charcoal filtrat D = Other (specify) Use the following cod E = Stationary monitor F = Stationary monitor G = Stationary monitor H = Mobile monitoring I = Other (specify) Use the following cod A = ppm | ion tube with pum Filter cassette v des to designate ors located withi ors located withi ors located at pl g equipment (spec des to designate timeter (f/çc) | p with pump ambient air monitor n work area n facility ant boundary ify) | ing equipment | | | | |

| <u>CBI</u> | | |
|------------|--------------------|---|
| | Test Description | Frequency (weekly, monthly, yearly, etc.) |
| | Pulmonary Function | Yearly |
| | | |
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| _] | Process type | MK46 Foam Po | otting Operations | | |
|----|---|---------------|--------------------------|---|----------------|
| | Work area | | | <u>Foam Pottin</u> | g Room |
| | Engineering Controls | Used (Y/N) | Year <u>Installed</u> | Upgraded (Y/N) | Year Upgrad |
| | Ventilation: | | | | |
| | Local exhaust | <u>Y</u> | 85 | Y | 89 |
| | General dilution | N | NA | NA | NA |
| | Other (specify) | | | | |
| | NA NA | | | | |
| | Vessel emission controls | NA | | | |
| | Mechanical loading or packaging equipment | NA | | *************************************** | |
| | Other (specify) | | | | |
| | NA | | | *************************************** | |

 $[\ \ \]$ Mark (X) this box if you attach a continuation sheet.

| | Describe all equipment or process modifications you have prior to the reporting year that have resulted in a reduct the listed substance. For each equipment or process modithe percentage reduction in exposure that resulted. Photomplete it separately for each process type and work are | tion of worker exposure fication described, stat ocopy this question and |
|-----------|--|--|
| <u>BI</u> | Process type MK46 Foam Potting Operation | |
| | Work area | Foam Potting Room |
| | Equipment or Process Modification | Reduction in Worker Exposure Per Year (% |
| | Increased potting machine and curing oven ventilation | 75% (Vapor conc.) |
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| 9.14 CBI | in each work area | onal protective and safety equi in order to reduce or eliminat copy this question and complete | e their exposus | re to the listed |
|-------------|-------------------|--|-----------------|-------------------|
| [_] | Process type | MK46 Foam Potting Operati | on | • |
| | Work area | • | | Foam Potting Room |
| | | Raudamant Managa | Wear or Use | |
| | | Equipment Types | <u>(Y/N)</u> | |
| | | Respirators | <u> </u> | |
| | | Safety goggles/glasses | <u> </u> | |
| | | Face shields | N | |
| | | Coveralls | N | |
| | | Bib aprons | N | |
| | | Chemical-resistant gloves | <u>Y</u> | |
| | | Other (specify) | | |
| | | NA | | |
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 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

| If workers use respirators when working with the listed substance, specify for each process type, the work areas where the respirators are used, the type of respirators used, the average usage, whether or not the respirators were fit tested, and the type and frequency of the fit tests. Photocopy this question and complete it separately for each process type. | | | | | |
|--|--------------------------------------|-------------------------------|---|--|--|
| | | | | | |
| ocess type | <u>MK46 Foan</u> | n Potting Oper | ation | | |
| ork Area | Respirator Type | Average Usage ¹ | Fit Tested (Y/N) | Type of Fit Test ² | Frequency of Fit Tests (per year) |
| l Supp | lied air cont. flow | A | N | NA | NA |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| = Daily = Weekly = Monthly = Once a ye = Other (space of the folion of t | pecify) owing codes to design tive | ate the type o | of fit tes | t: | |
| ck | (X) this | (X) this box if you attach a | (X) this box if you attach a continuation s | (X) this box if you attach a continuation sheet. | (X) this box if you attach a continuation sheet. |

| 9.19 <u>CBI</u> | Describe all of the work practices and administrative controls used to reduce or eliminate worker exposure to the listed substance (e.g., restrict entrance only to authorized workers, mark areas with warning signs, insure worker detection and monitoring practices, provide worker training programs, etc.). Photocopy this question and complete it separately for each process type and work area. | | | | | | |
|--------------------|---|--|--|--|---------------------------------------|--|--|
| [_] | Process type MK46 Foam Potting Operation | | | | | | |
| | | | | | | | |
| | Work area | | • | Foam Pott | ing Room | | |
| | 1. Respirator protection | NORTH CONTRACTOR OF THE CONTRA | 5. Training | program | · · · · · · · · · · · · · · · · · · · | | |
| | 2. Local exhaust | | | | | | |
| | 3. Limited access | | | | | | |
| | 4. Warning Lights | | | | * . | | |
| | | | | | | | |
| 9.20 | Indicate (X) how often you leaks or spills of the lis separately for each process Process type MK46 | ted substance. s type and work Foam Potting Ope | Photocopy thi area. | s question ar | | | |
| 9.20 | leaks or spills of the lis separately for each process Process type MK46 Work area | ted substance. s type and work Foam Potting Ope Less Than | Photocopy thi area. ration Foam 1-2 Times | s question ar Potting Room 3-4 Times | More Than 4 | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type MK46 Work area | sted substance. ss type and work Foam Potting Ope | Photocopy thi area. ration Foam 1-2 Times Per Day | s question ar | nd complete it | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type MK46 Work area | ted substance. s type and work Foam Potting Ope Less Than Once Per Day | Photocopy thi area. ration Foam 1-2 Times | s question ar Potting Room 3-4 Times | More Than 4 | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type MK46 Work area | ted substance. s type and work Foam Potting Ope Less Than Once Per Day | Photocopy thi area. ration Foam 1-2 Times Per Day | s question ar Potting Room 3-4 Times | More Than 4 | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type MK46 Work area Housekeeping Tasks Sweeping Vacuuming Water flushing of floors | ted substance. s type and work Foam Potting Ope Less Than Once Per Day | Photocopy thi area. ration Foam 1-2 Times Per Day | s question ar Potting Room 3-4 Times | More Than 4 | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type MK46 Work area | ted substance. s type and work Foam Potting Ope Less Than Once Per Day | Photocopy thi area. ration Foam 1-2 Times Per Day | s question ar Potting Room 3-4 Times | More Than 4 | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type MK46 Work area Housekeeping Tasks Sweeping Vacuuming Water flushing of floors Other (specify) Change work surface | ted substance. s type and work Foam Potting Ope Less Than Once Per Day | Photocopy this area. ration Foam 1-2 Times Per Day X | s question ar Potting Room 3-4 Times | More Than 4 | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type MK46 Work area Housekeeping Tasks Sweeping Vacuuming Water flushing of floors Other (specify) Change work surface | ted substance. s type and work Foam Potting Ope Less Than Once Per Day | Photocopy this area. ration Foam 1-2 Times Per Day X | s question ar Potting Room 3-4 Times | More Than 4 | | |
| 9.20 | leaks or spills of the lisseparately for each process Process type MK46 Work area Housekeeping Tasks Sweeping Vacuuming Water flushing of floors Other (specify) Change work surface | ted substance. s type and work Foam Potting Ope Less Than Once Per Day | Photocopy this area. ration Foam 1-2 Times Per Day X | s question ar Potting Room 3-4 Times | More Than 4 | | |

| 9.21 | Do you have a written medical action plan for responding to routine or emergency exposure to the listed substance? |
|------|---|
| | Routine exposure NA |
| | Yes |
| | No 2 |
| | Emergency exposure NA |
| | Yes 1 |
| | No 2 |
| | If yes, where are copies of the plan maintained? |
| | Routine exposure: |
| | Emergency exposure: |
| 9.22 | Do you have a written leak and spill cleanup plan that addresses the listed substance? Circle the appropriate response. |
| | Yes 1 |
| | No |
| | If yes, where are copies of the plan maintained? |
| | Has this plan been coordinated with state or local government response organizations? Circle the appropriate response. |
| | Yes 1 |
| | No 2 |
| 9.23 | Who is responsible for monitoring worker safety at your facility? Circle the appropriate response. |
| | Plant safety specialist |
| | Insurance carrier 2 |
| | OSHA consultant 3 |
| | Other (specify) 4 |
| | Mark (X) this box if you attach a continuation sheet. |

SECTION 10 ENVIRONMENTAL RELEASE

General Instructions:

3 ,

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RQ, unless the release is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and, thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that are equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period are not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RQ.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

| PART A GENERAL INFORMATION | | | |
|----------------------------|---|--|--|
| 10.01 | Where is your facility located? Circle all appropriate responses. | | |
| CBI | | | |
| [_] | Industrial area 1 | | |
| | Urban area | | |
| | Residential area 3 | | |
| | Agricultural area 4 | | |
| | Rural area 5 | | |
| | Adjacent to a park or a recreational area 6 | | |
| | Within 1 mile of a navigable waterway | | |
| | Within 1 mile of a school, university, hospital, or nursing home facility 8 | | |
| | Within 1 mile of a non-navigable waterway 9 | | |
| | Other (specify)10 | | |

| 10.02 | Specify the exact location of your facility (from central point where process unit is located) in terms of latitude and longitude or Universal Transverse Mercader (UTM) coordinates. | | | | |
|------------|---|--------------------------|-----------------------|--------------------|--|
| | Latitude | ····· <u> </u> | 45 ° | 53 ′ 35 | |
| | Longitude | ····· | 122 • | 19 , 35 | |
| | UTM coordinates Zon | e <u>NA</u> , Northing | , NA, I | Easting NA | |
| 10.03 | If you monitor meteorological co | nditions in the vicinity | of your fac | cility, provide | |
| | Average annual precipitation | ····· | NANA | inches/yea | |
| | Predominant wind direction | ····· | NA | | |
| 10.04 | Depth to groundwater For each on-site activity listed | , indicate (Y/N/NA) all | routine rele | meters ases of the | |
| <u>CBI</u> | listed substance to the environme Y, N, and NA.) | ent. (Refer to the inst | ructions for | a definition of | |
| [_] | On-Site Activity | Enviro Air | nmental Rele Water | ase Land | |
| | Manufacturing | NA | NA | NA | |
| | Importing | NA | NA | NA NA | |
| | Processing | Y | N | N | |
| | Otherwise used | NA | NA | NA | |
| | Product or residual storage | N | N | N | |
| | Disposal | N | N | N | |
| | Transport | N N | N | N | |
| | | | | | |
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| [] ; | Mark (X) this box if you attach a | continuation sheet. | | | |

| ., | * , | | |
|----------|---|---|-------------------------------|
| 10.06 | Provide the following information for the lister of precision for each item. (Refer to the instan example.) | ed substance and specif ructions for further e | y the level xplanation and |
| <u> </u> | | | |
| | Quantity discharged to the air | 10 | kg/yr ± 100 % |
| | Quantity discharged in wastewaters | NA | kg/yr ± ; |
| | Quantity managed as other waste in on-site treatment, storage, or disposal units | NA | kg/yr ± % |
| | Quantity managed as other waste in off-site treatment, storage, or disposal units | 300 | kg/yr <u>+ 20</u> 2 |
| | | | |

[_] Mark (X) this box if you attach a continuation sheet.

| 10.08 | for each process stre | technologies used to minimize release of eam containing the listed substance as id idual treatment block flow diagram(s). Prately for each process type. | entified in your |
|-------|--|--|--------------------|
| [_] | Process type MK46 Foam Potting Operation | | |
| | Stream ID Code | Control Technology | Percent Efficiency |
| | 7E | Use minimization | <u>UK</u> |
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| [_] | Mark (Y) this hav if . | ou attach a continuation sheet. | |

| 10.09 <u>CBI</u> [] | Point Source Emissions Identify each emission point source containing the listed substance in terms of a Stream ID Code as identified in your process block or residual treatment block flow diagram(s), and provide a description of each point source. Do not include raw material and product storage vents, or fugitive emission sources (e.g., equipment leaks). Photocopy this question and complete it separately for each process type. Process type MK46 Foam Potting Operation | | | | | | |
|------------------------|---|--------------------------------------|--|--|--|--|--|
| | Point Source ID Code | Description of Emission Point Source | | | | | |
| | 7E | Curing Oven Vent | | | | | |
| - | NA NA | | | | | | |
| - | | | | | | | |
| - | | | | | | | |
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| Point Source ID Code | Physical State | Average Emissions (kg/day) | Frequency ² (days/yr) | Duration ³ (min/day) | Average Emission Factor ⁴ | Maximum Emission Rate (kg/min) | Maximum Emission Rate Frequency (events/yr) | Max Emi F Dur (mir |
|-------------------------------|-------------------|----------------------------------|----------------------------------|---------------------------------|--|---|---|--------------------------------|
| <u>7E</u> | G | <0.1 | 250 | 120 | 0.01 | <0.01 | 250 | |
| <u>NA</u> | | | | | | | | |
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 $^{^4}$ Average Emission Factor — Provide estimated (\pm 25 percent) emission factor (kg of emission per kg of production of listed substance)

| So | oint urce ID ode | Stack Height(m) | Stack Inner Diameter (at outlet) (m) | Exhaust Temperature (°C) | Emission Exit Velocity (m/sec) | Building Height(m) | Building Width(m) | V |
|---|---------------------------|--------------------|---|--------------------------------|--------------------------------|-----------------------|----------------------|---|
| | <u>'E</u> | | 0.6 | 25 | UK | 20 | 50 | |
| | IA | | | | | | | |
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| ² Wic ³ Use H = | lth of | attached o | or adjacent r adjacent b odes to desi | | ype: | | | |
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| 10.12 | If the listed substance is emitted in particulate form, indicate the particle size distribution for each Point Source ID Code identified in question 10.09. Photocopy this question and complete it separately for each emission point source. | | | | | | |
|-------|--|-------------------------------------|--|--|--|--|--|
| [_] | Point source ID code | NA | | | | | |
| | Size Range (microns) | Mass Fraction (% \pm % precision) | | | | | |
| | < 1 | NA | | | | | |
| | ≥ 1 to < 10 | NA | | | | | |
| | ≥ 10 to < 30 | NA | | | | | |
| | ≥ 30 to < 50 | NA NA | | | | | |
| | ≥ 50 to < 100 | NA NA | | | | | |
| | ≥ 100 to < 500 | NA | | | | | |
| | ≥ 500 | NA | | | | | |
| | | Total = 100% | | | | | |
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PART C FUGITIVE EMISSIONS

10.13 Equipment Leaks -- Complete the following table by providing the number of equipment types listed which are exposed to the listed substance and which are in service according to the specified weight percent of the listed substance passing through the component. Do this for each process type identified in your process block or residual treatment block flow diagram(s). Do not include equipment types that are not exposed to the listed substance. If this is a batch or intermittently operated process, give an overall percentage of time per year that the process type is exposed to the listed substance. Photocopy this question and complete it separately for each process type.

| [_] | rocess type MK46 Foam Potting Operation | |
|-----|---|-----|
| | ercentage of time per year that the listed substance is exposed to this process | 3 |
| | ype | - Y |

Number of Components in Service by Weight Percent of Listed Substance in Process Stream Less Greater Equipment Type than 5% 5-10% 11-25% 76-99% 26-75% than 99% Pump seals1 Packed NA NA NA NA NA NA Mechanical NA NA NA NA NA Double mechanical² NA NA NA NA NA NA Compressor seals¹ NA NA NΑ NA NA NA Flanges NA NA NA NA NA NA Valves Gas³ NA NA NA NA NA NA Liquid NA NA ΝA NA NA NA Pressure relief devices4 NA NA ΝA NA NA NA(Gas or vapor only) Sample connections Gas NA NA ΝA NA NA NA Liquid NA NA NA NA NA NA Open-ended lines⁵ (e.g., purge, vent) Gas NA NΑ NA NA NA NA Liquid NA NA NA NA NA

10.13 continued on next page

| [] Mark (X) this box if you attach a continuati | ion sheet. |
|--|------------|
|--|------------|

¹List the number of pump and compressor seals, rather than the number of pumps or compressors

| 10.13 | (continued) | | | | | | | | | |
|---------------------|---|---|--|--|--|--|--|--|--|--|
| | ² If double mechanical seal greater than the pump stu will detect failure of th with a "B" and/or an "S", | offing box pressure a ne seal system, the b | and/or equipped wi | th a sensor (S) that | | | | | | |
| | ³ Conditions existing in th | ne valve during norma | al operation | | | | | | | |
| | ⁴ Report all pressure relie control devices | ⁴ Report all pressure relief devices in service, including those equipped with control devices | | | | | | | | |
| | ⁵ Lines closed during normal operation that would be used during maintenance operations | | | | | | | | | |
| 10.14 <u>CBI</u> [] | Pressure Relief Devices with Controls Complete the following table for those pressure relief devices identified in 10.13 to indicate which pressure relief devices in service are controlled. If a pressure relief device is not controlled, enter "None" under column c. | | | | | | | | | |
| | a. Number of Pressure Relief Devices | b. Percent Chemical in Vessel ¹ | c. Control Device | d. Estimated Control Efficiency ² | | | | | | |
| | 1 | < 70 | Valve | 98 | | | | | | |
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| 1 | Refer to the table in ques heading entitled "Number o Substance" (e.g., <5%, 5-10 | f Components in Serv | d the percent rang ice by Weight Perc | ge given under the ent of Listed | | | | | | |
| 2 | The EPA assigns a control of with rupture discs under no efficiency of 98 percent for conditions | ormal operating cond: | itions. The EPA a | ssigns a control | | | | | | |
| [<u>]</u>] M | Mark (X) this box if you at | tach a continuation s | sheet. | | | | | | | |

| Process type | • • • • • • • • • • • • • • • • • • | • • • • • • • • • • • • • | MK46 Foam | Potting Oper | ation |
|---|--|---------------------------|-----------|---|----------------------------------|
| Equipment Type | Leak Detection Concentration (ppm or mg/m³) Measured at Inches from Source | Detection Device | | Repairs Initiated (days after detection) | Repairs Complete (days aft |
| Pump seals | | | | | |
| Packed | NA | NONE | NA | NA | NA |
| Mechanical | NA | NONE | NA | NA NA | NA |
| Double mechanical | NA | NONE | NA | NA | NA |
| Compressor seals | NA | NONE | NA | NA | NA |
| Flanges | NA | NONE | NA | NA | NA |
| Valves | | | | | |
| Gas | NA | NONE | <u>NA</u> | NA | NA_ |
| Liquid | NA | NONE | NA | NA | NA |
| Pressure relief devices (gas or vapor only) | NA | NONE | NA | NA | NA |
| Sample connections | | | | | |
| Gas _ | NA NA | NONE | NA | NA NA | NA |
| Liquid _ | NA NA | NONE | NA_ | NA | NA |
| Open-ended lines | | | | | |
| Gas _ | NANA | NONE | NA | NA | NA |
| Liquid | NA | NONE | NA | NA | NA |

10.16 Raw Material. Intermediate and Product Storage Emissions - - Complete the following table by providing the information on each

| PART | Ε. | NON-ROUTINE | DELEACEC |
|------|----|-------------|----------|

10.23 Indicate the date and time when the release occurred and when the release ceased or was stopped. If there were more than six releases, attach a continuation sheet and list all releases.

| Release | Date Started | Time (am/pm) | Date Stopped | Time (am/pm) |
|---------|-----------------|-----------------|-----------------|-----------------|
| 1 | NA | <u>NA</u> | NA NA | NA- |
| 2 | | | | ***** |
| 3 | | | | |
| 4 | - | | | |
| 5 | | | | |
| 6 | | | | |

10.24 Specify the weather conditions at the time of each release.

| Release | Wind Speed (km/hr) | Wind Direction | Humidity(%) | Temperature (°C) | Precipitation (Y/N) |
|---------|--------------------|-------------------|-------------|------------------|---------------------|
| 1 | NA | <u>NA</u> | NA | NA NA | NA |
| 2 | | | | | |
| 3 | | | | | |
| 4 | - | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 6 | | | | | |

| | Mark (X) | this | box | if | you | attach | а | continuation sheet. | |
|--|----------|------|-----|----|-----|--------|---|---------------------|--|
|--|----------|------|-----|----|-----|--------|---|---------------------|--|

APPENDIX II: Substantiation Form and Instructions to Accompany Claims of Confidentiality Under the Comprehensive Assessment Information Rule (CAIR)

If you assert one or more claims of confidentiality for information submitted on a Comprehensive Assessment Information Rule (CAIR) form, please answer, pursuant to 40 CFR 740.219, all the following questions in the space provided. Type all responses. If you need more space to answer a particular question, please use additional sheets. If you use additional sheets, be sure to include the section, number, and (if applicable) subpart of the question being answered, and write your facility's name and Dun & Bradstreet Number in the lower right-hand corner of each sheet. A completed copy of this form must accompany all submissions containing one or more claims of confidentiality. Failure to do so will result in the waiver of your claim of confidentiality.

EPA has identified six information categories as those which encompass all claims of confidentiality. These are: Submitter identity (h); Substance identity (i); Volume manufactured, imported, or processed (j); Use information (k); Process information (l); and Other information (m). Respondents who assert a CBI claim on the reporting form must mark the letter(s) (h through m) that represent(s) the appropriate category(ies) of confidentiality in the box adjacent to the question, and answer the questions in this form.

Respondents who assert a CBI claim for information submitted under CAIR must also provide EPA with sanitized and unsanitized versions of their submissions. The unsanitized version must be complete and contain all information being claimed as confidential. The sanitized copy must contain only information not claimed as confidential. EPA will place the second copy of the submission in the public file. Failure to submit the second copy of the form at the time the respondent submits the reporting form containing confidential information or after receipt of a notice from EPA thereafter will result in a waiver of the respondent's claim of confidentiality.

Please indicate the CAS Registry Number (if known) or chemical name (if the CAS Registry Number is not known) for the substance that is the subject of this form: 26471-62-5

If you are reporting on a tradename, please provide the tradename for the substance that is the subject of this form:

Stafoam P540 T

Does this form contain CBI? [] Yes

[X] No

If the answer to this question is yes, you must bracket the text claimed as CBI. Any unbracketed information may be placed in the public file.

 $[\underline{ }]$ Mark (X) this box if you attach a continuation sheet.

SECTION 1 - MANUFACTURER INFORMATION

MANUF/DIST : EXPANDED RUBBER AND PLASTICS CORP.

EMERGENCY PHONE..... 213 321-4260

14000 S.W. AVENUE

PREPARATION/REVISION DATE: 03/22/88

GARDENA, CA 90249

PREPARER/CONTACT: TONY FACKELMANN

LOCATIONS :

WA34

3891

TRADE NAME/SYNONYMS...: STAFOAM P 540, COMPONENT T

CHEMICAL NAME/SYNONYMS: NOT APPLICABLE CHEMICAL FAMILY....: NOT APPLICABLE

FORMULA.... NOT APPLICABLE

PRODUCT CODE....: IHS 99J

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, or OSHA):NO

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute And Chronic)-

VAPOR INHALATION MAY CAUSE SEVERE IRRITATION OF RESPIRATORY TRACT, PROLONGED EXPOSURE MAY CAUSE PULMONARY EDEMA, CHRONIC LUNG IMPAIRMENT; LIQUID CONTACT CAUSES SERIOUS SKIN AND EYE BURN.

SYMPTOMS OF EXPOSURE: DIFFICULT, LABORED BREATHING, ASTHMA ATTACKS IN SENSI-THE PERSONS. SEVERE IRRITATION OF SKIN, EYE DAMAGE. TDI SENSITIZATION.

PRIMARY ROUTES OF ENTRY-INHALATION, SKIN, INGESTION RESPIRATORY, BRONCHIAL CONDITIONS, SKIN SENSITIVITY.

EMERGENCY FIRST AID PROCEDURES-

EYE CONTACT: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET

MEDICAL ATTENTION.

SKIN CONTACT: WASH WITH PLENTY OF SOAP AND WATER, REMOVE CONTAMINATED CLOTH-

ING. CONTACT A PHYSICIAN.

INHALATION: MOVE TO FRESH AIR; GIVE OXYGEN IF NECESSARY. GET MEDICAL

ATTENTION.

INGESTION: GIVE PLENTY OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL

ATTENTION.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F)...: 480 F SPECIFIC GRAVITY (WATER=1)....: 1.2 VAPOR PRESSURE (mmHg): 0.01 PERCENT VOLATILE BY VOLUME (%).....: N/I VAPOR DENSITY (AIR=1): 6.0 EVAPORATION RATE (BUTYL ACETATE =1): N/A

SOLUBILITY IN WATER-NIL REACTS WITH WATER GENERATING CO2

APPEARANCE AND ODOR INFORMATIONPALE YELLOW, LOW VISCOSITY LIQUID. STRONG, PUNGENT ODOR.

SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): 260 F (PMCC FLAMMABLE LIMITS : Lel=0.9 UEL=9.5

EXTINGUISHING MEDIA-WATER FOAM, CO2. DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES-FIREGIGHTERS MUST WEAR SELF-CONTAINED BREATHING APPARATUS AND TURN OUT GEAR; OXIDES OF CARBON AND NITROGEN, ISOCYANATE VAPORS, HCN HCL WILL BE GENERATED.

UNUSUAL FIRE AND EXPLOSION HAZARDSREACTION OF WATER OR FOAM WITH TDI VAPORS CAN BE VIGOROUS. WATER CONTAMINATED
MATERIAL WILL GENERATE CO2 WHICH MAY CAUSE EXPLOSIVE RUPTURE OF CLOSED
CONTAINERS. COOL DOWN CONTAINERS WITH WATER SPRAY.

INCOMPATIBILITY (Materials To Avoid)BASIC COMPOUNDS, CAUSTIC SODA, TERTIARY AMINES, WATER

HAZARDOUS DECOMPOSITION PRODUCTS-ISOCYANATE VAPORS, OXIDES OF CARBON AND NITROGEN, HCN.

WILL HAZARDOUS POLYMERIZATION OCCUR-

WATER AND OTHER PRODUCTS THAT REACT WITH ISOCYANATES.

IS THE PRODUCT STABLE-STABLE

CONDITIONS TO AVOID FOR STABILITY-TEMPERATURES ABOVE 40 C FOR EXTENDED PERIODS OF TIME.

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-CLEAN UP CREW MUST WEAR FULL PROTECTIVE EQUIPMENT. ABSORB MATERIAL WITH SAW-DUST OR SWEEPING COMPOUND. DECONTAMINATE WITH MIXTURE OF 90% WATER, 8% CON-CENTRATED AMMONIA AND 2% DETERGENT. SHOVEL IT INTO OPEN TOP DRUMS AND REMOVE TO WELL VENTILATED AREA.

WASTE DISPOSAL METHODS-CONTACT MATERIAL CONTROL SUPERVISOR

SECTION 7 - EXPOSURE CONTROL INFORMATION

VITILATION
"AL EXHAUST: YES

SPECIAL...: DESIGN FOR TDI VAPOR OTHER....: NONE

RESPIRATORY PROTECTION-SELF-CONTAINED BREATHING APPARATUS, GAS MASKS EQUIPPED WITH ORGANIC CARTRIDGES, MASKS EQUIPPED WITH EXPTERNAL AIR SOURCES.

PROTECTIVE GLOVES-CHEMICAL RESISTANT RUBBER OR PLASTIC

OTHER PROTECTIVE EQUIPMENT-COVERALLS, BOOTS, RUBBER APRONS, FITTED GOGGLES OR FACE SHIELDS AND SAFETY GLASSES.

OTHER ENGINEERING CONTROLS-AS REQUIRED

WORK PRACTICES-AS REQUIRED

HYGIENIC PRACTICES-DO NOT EAT, DRINK OR SMOKE IN WORKING AREAS. KEEP CLOTHING AND EQUIPMENT CLEAN AT ALL TIMES.

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-STORE IN TIGHTLY CLOSED CONTAINERS IN DRY COOL PLACES AT TEMPERATURES BETWEEN 70-90 F. THIS PRODUCT REACTS WITH WATER AND OTHER SUBSTANCES GENER-ATING CO2 GAS WHICH WILL CAUSE SEALED CONTAINERS TO EXPAND AND POSSIBLY

TURE. DO NOT RESEAL CONTAINERS IF CONTAMINATION IS SUSPECTED.

MAINTENANCE PRECAUTIONS-AS REQUIRED

OTHER PRECAUTIONS-N/A

ADDITIONAL COMMENTS-N/A

BELOW IS THE PROPER LABEL INFORMATION FOR IHS# 99J

| HONEYWELL MSD | IF | IS# 99. | J | HMIS | | | | |
|--|----------|----------------|-----|--------|--|--|--|--|
| TRADE NAME: STAFOAM P 540, COMPONENT T | | | | | | | | |
| CHEMICAL NAME: N/A | | | | | | | | |
| APPEARANCE/ODOR: PALE YELLOW LIQUID W/PUNGENT OD | | | | | | | | |
| HAZARD CLASS: CARCINOGEN SAFETY EQUIP. | | | | | | | | |
| IRRITANT CAUSTIC | TOXIC | GLASSES | GOG | GLES X | | | | |
| FLAMMABLE CORROSIVE | POISON 🖂 | GLOVES | API | ON _ | | | | |
| EXTINGUISHING MEDIA: DRY CHEMICAL WATER CO2 | | | | | | | | |

2195 860019°B2

| LABEL | COLOR | | | | | | | | |
|-------|--------------|--------|-----|------|--------|--------|------|------|------|
| 区 | RED | | | | | | | | |
| | YELLOW/ORANG | SE. | | | | | | | |
| | GREEN | | | | | | | | |
| | PRE-PRINTED | LABELS | ARE | AVA: | ILABLE | AT TI | HIS | TIME | |
| X | PRE-PRINTED | LABELS | ARE | NOT | AVAILA | ABLE (| AT T | HIS | TIME |

PLEASE FILE THIS SHEET IN YOUR INDUSTRIAL HYGIENE MANUAL WITH THE CORRESPONDING MSDS.